

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/029245 A1

- (51) International Patent Classification⁷: C12N 15/10, 15/62, 15/64, C07K 7/06, 7/08
- (74) Agent: OY JALO ANT-WUORINEN AB; Iso Roobertinkatu 4-6 A, FIN-00120 HELSINKI (FI).
- (21) International Application Number: PCT/FI2003/000705
- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 29 September 2003 (29.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 20021726 27 September 2002 (27.09.2002) FI
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): CTT CANCER TARGETING TECHNOLOGIES OY [FI/FI]; Viikinkaari 4 C, FIN-00790 HELSINKI (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): VALTANEN, Heli [FI/FI]; Massbyntie 96/6, FIN-01150 SÖDERKÜLLA (FI). BJÖRKLUND, Mikael [FI/FI]; Ulvilantie 29/1 D 36, FIN-00350 HELSINKI (FI). KOIVUNEN, Erkki [FI/FI]; Lökkisaarentie 5 C 319, FIN-00980 HELSINKI (FI).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: METHOD FOR DESIGNING PEPTIDES

(57) Abstract: The present invention relates to genetic engineering and; in specific, to design, generation, and modification of recombinant peptides using a combination of phage display and intein-mediated protein cleavage reaction.

WO 2004/029245 A1